

CONTENT**GEOSCIENCES**

<i>Litvinskiy G. G.</i> KINETICS OF ROCKS DESTRUCTION AND DEFORMATION AROUND MINING EXCAVATION	5
<i>Smekalin E. S., Polozov Yu. A., Spichak Yu. N., Grishko N. V., Kovalenko N. V.</i> DETERMINING THE DURATION OF MINING OPERATIONS CONSIDERING THE PROBABILISTIC NATURE OF THEIR ORGANIZATIONAL AND TECHNOLOGICAL STRUCTURE	17
<i>Paleyichuk M. M., Knyaz'kov O. V., Spichak Yu. N.</i> ABOUT TECHNICAL AND ECONOMIC ASPECTS OF GEOTECHNOLOGY	25
<i>Bizianov E. E., Smekalin E. S.</i> REVIEW AND POSSIBILITY OF USING THE THEORY OF FUZZY SETS IN GEOTECHNOLOGICAL CALCULATIONS	30
<i>Kaliakin S. A., Labinskiy K. N., Azamatov R. I.</i> LOCALIZATION OF SUDDEN OUTBURST IN WORKING FACES AT SHOCK BLASTING	39
<i>Denisenko V. P.</i> INFLUENCE OF SMALL-AMPLIFIED TECTONIC BREAKDOWNS OF THE MASSIVE ON THE DYNAMICS OF THE METHAN-BEARING CAPACITY IN THE WORKINGS OF THE CUTTING SITE.....	46
<i>Pavlov E. E.</i> INFLUENCE OF THE CUSHIONING DENSITY OF FIXED SPACE ON THE PASSIVE ROCK BEARING REACTION AROUND WORKINGS	51

METALLURGY AND MATERIAL SCIENCES

<i>Snitko S. A., Sotnikov A. L., Yakovchenko A. V.</i> POWER OPERATION MODES OF MOLDING PRESS AT WHEEL BLANKS DIE FORMING	57
<i>Kuberskiy S. V.</i> OPTIMIZATION OF REDUCTION MIXTURES COMPOSITION FOR AN ARC DEPTH EXCRETION OF THE MANGANESE INTO IRON-CARBON MELTS	64
<i>Kuberskiy S. V., Protsenko M. Yu., Voron'ko M. I., Protsenko V. I.</i> INVESTIGATING THE EFFECT OF ELECTRODE MIXTURE COMPOSITION ON ITS SPECIFIC ELECTRICAL RESISTANCE	70
<i>Davidenko V. A., Lisovaia A. A.</i> DETERMINING THE LEVEL OF HAZARDOUS EMISSIONS INTO THE ATMOSPHERE BY PJSC «ALCHEVSK IRON-AND-STEEL WORKS» FOR ASCERTAINMENT THE NECESSITY OF FITOMELIORATION MEASURES	76

CIVIL ENGINEERING AND ARCHITECTURE

<i>Drozhd G. Ya.</i> DEVELOPMENT POTENTIAL OF THE MUNICIPAL WASTE SECTOR IN LUGANSCHINA	83
<i>Riabinina M. M.</i> INFLUENCE OF WEATHER AND CLIMATE CONDITIONS ON THE ROAD SURFACE STATE	99
<i>Zavorotnyi D. V.</i> EXPERIMENTAL DETERMINING THE PARAMETERS FOR DESIGNING THE AIR TANK- CLARIFIERS WITH SUBMERGED AIRLIFT AERATION SYSTEM	104

MECHANICAL ENGINEERING AND MACHINE SCIENCE

Eron'ko S. P., Oshovskaya Ye. V., Starodubtsev B. I.

CALCULATING THE PARAMETERS OF AUTOMATIC SYSTEM OF GAS DYNAMIC SLAG CUTOFF AT STEEL TAPING THROUGH THE VESSEL MOUTH 113

Kovalenko O. A., Kuberskiy S. V., Novokhatskiy A. M.

DEVELOPMENT OF THE RECOMMENDATION FOR INCREASING THE STABILITY OF SHEARING DIES 121

Grubka R. M.

DEVELOPMENT OF KINEMATIC METHOD OF TEETH PROFILE SYNTHESIS WITH REGARD TO SPATIAL SERRATED JOINT OF CYLINDRICAL GEARS 127

Aref'iev E. M., Ignatkina E. L., Knysh A. A.

EXPERIMENTAL ASSESSMENT OF THE OPERATING MODE EFFICIENCY OF VIBRATION CLEANER OF CONVEYOR BELT WITH TRIAC CONTROL SYSTEM 133

INFORMATION MATERIALS

Belozercev V. N., Ulianitskiy V. N.

IN MEMORY OF THE MINING ENGINEER, SCIENTIST, TEACHER 141